

FIGURE 1

DeCypher Results for: ClustalW Multiple Alignment

View dendrogram

hdap10c
hdap10c_coding

Smart II oligo → 5' UTR
~~CTTATACCGCTCTCTATATGCGCATCTCTGCTTACACACCGACAGTACGCGGGAGTCCGGG~~

hDAP10c

mDAP10c_coding

CCGCGGCGACGGCGGCAGGAGCGCGTCCCGGCGCCGCGCTCGGGCTCCGCTCGGCTCGGGG

hDAP10c

mDAP10c_coding

GCTGCTTCGGGAGGAGGAGAGCCAAGGGAGGCGCCAGGCCCGCGGGCCGGGCGCATGGCT

hdAP10c

hdAP10c_coding

\rightarrow Coding
 TAGGGACGCTCCCGGGCCGCCGAGCCCCAGC ATGGGGAAACTTCACTCGAAGCCGGCCGC
 ----- ATGGGGAAACTTCACTCGAAGCCGGCCGC
 * * * * *

hdAP10c
hdAP10c_coding

CGTGTGCAAGCGCAGGGAGAGCCCGGAAGGTGACAGCTTCGCGTGAGCGCTGCCTGGGC
CGTGTGCAAGCGCAGGGAGAGCCCGGAAGGTGACAGCTTGTCTGAAGCGCTGCTTGGGC
***** **

hDAP10c

mDAP10c_coding

TCGGAAGGGCATCGAGGAGTGGATCGGGAGACAGCGCTGCCCGGGCGGTGTCCTCGGGACC
AAGGAAAGGCATCGAGGAGTGGATCGGGAGGCAGCGCTGTCCAGGCAGCGTCTCAGGACC

hdAP10c
mdAP10c_coding

CCGACAGCTGCGGTGGCGGGCACCATAGGCCGAAGCACCCGGGAGCTCGTGGGCGACGT
CCGTCAGCTGAGATTGGCAGGCACTGTTGGTCGAGGCCACTCGGGAACCTCGTGGGTGACAC
* * * * *

hdAP10c
mdAP10c_coding

GTTGAGAGACACGCTCAGCGAGGAAGAGGAGGACGACTTTCGGCTGGAAGTGCCCTGCC
TTCTAGAGAGGCTCTCGGTGAGGAGCAGGACGACTTCCCCCTAGAAGTGCCCTGCC
* * * * *

hdAP10c
mdAP10c_coding

TCCTGAGAAGACTGACGGGCTGGGCAGCGGAGATGAGAAGAAGATGGAGAGAGTGGACCGA
GCCTGAGAAGATCGACAGCCTAGTGTAGTGGAGATGAGAAGAGAATGGAGAGACTGGACCGA
***** *** * ** * * ***** ***** *****

hDAP10c
mDAP10c_coding

ACCCTGCCCAGGCTCCAAGAAGCAGCTGAAGTTTGAAGAGCTCCAGTGGCAGCTGTCCAT
ACCTGGCCAGGCTCCAAGAAGCAGCTCAAGTTTGAAGAGCTACAGTGTGATGTCTCTGT
*** *** * ***** ***** ***** * * * *

hDAP10c
mDAP10c_coding

GGAGGAGGACAGCCGGCAGGAGTGGACCTTCACCTGTATGACTTTGACAACAACGGCAA
GGAGGAGGACAGCCGGCAAGAGTGGACTTTCACTCTATATGACTTCGACAACAATGGCAA

hDAP10c
mDAP10c_coding

GGTCAACCCGAGAGGACATCACCAGCTTGCTGCACACCATCTATGAGGTGGTGGACTCCTC
AGTGACCCGTGAGGACATTACCAGCTTGCTGCATACCATCTATGAAGTGGTTGACTCCTC
* * * * *

bDAP10c
mDAP10c_coding

TGTCAACCACTCCCCAACATCCAGCAAGATGCTGCGGGTAAAGCTCACCCTGGCCCCCGA
TGTGAACCATCCCCACATCAAGCAAGACACTGCGGGTGAAGCTCACCCTGGCTCTCTGA
*** *****

bDAP10c
mDAP10c_coding

TGGCAGCCAGAGCAAGAGGAGCGTCCTTGTCAATCAGGCTGACCTGCAGAGCGCAAGGCC
CGGGAGCCAGAGTAAGAGGAGCGTCCTTTTCAACCATACCGATCTGCAGAGCACAAGGCC
* * * * *

hNAP10c

mNAP10c_coding

CCGAGCAGAGACCAAGCCCACTGAGGACCTGCGGAGCTGGGAGAAGAAGCAGCGAGCCCC
CCGAGCAGACACCAAAACCGCTGAGGAGCTGCGTGGCTGGGAGAAGAAGCAGCGAGCCCC

BDAP10c
BDAP10c_cod1nc

GCTCAGGTTCCAGGGTGACAGCCGCTGGAGCAGTCTGGCTGCTACCACCATTCGCGTAGA
ACTCAGGTTCCAGGGTGACAGCCACTGGAGCAGCCAGACTGCTACCAACCATTCGCGTGA
.....

hdAP10c

hdAP10c_coding

TGAGAACATCGAGAGGAGAAACCACTACTTAGATCTCGCCGGGATAGAAACTACACGTC
 TGAGAACATTGAGAGGAGAAACCACTACCTAGACCTGGCCGGGATAGAGAACTACACGTC

| | |
|----------------|---|
| hDAP10c | CCAATTTGGGCCTGGCTCCCTTCCGTGGCCCAAGCTCAGAACTGCCCCCGGCACCTC |
| mDAP10c_coding | TCAGTTTGGACCGGGATCCCCCTTCGGTGGCCCAAGCTCAGAGCTGCCCCCTCGAATCTC * * * * * |
| hDAP10c | CAATCCCACTCGATCTCGCTCCCATGAGCCGGAAGCCATCCACATCCACACCGAAAGCC |
| mDAP10c_coding | CAAGCCCACTCGCTCTCGCTCCACGAGCCAGAAGCTGCCACATCCACACCGAGGCC * * * * * |
| hDAP10c | CCAAGGCGTGGACCCGGCTCCTTCCACTTCTTGACACCCCAATCGCCAAGGTCTCAGA |
| mDAP10c_coding | CCAAGGTGTGGACCCAGGCTCCTTCCACTTCTTGACACCCCAATTCGCAAGGCATCAGA * * * * * |
| hDAP10c | GCTCCAGCAACGGCTCCGGGGCACCCAGGACGGGAGCAAGCACTTTGTGAGGTCCCCAA |
| mDAP10c_coding | GCTCCAGCAACGGCTCCGGGGCACTCAGGATGGGAGCAAGCACTTTGTGAGGTCCCCAA * * * * * |
| hDAP10c | GGCCCAAGGCAAGAGTGTGGGTGTGGGCCACGTGGCCAGAGGGGCAAGAAACAAGCCCCC |
| mDAP10c_coding | GGCCCAAGGCAAGAAACATGGGTATGGGCCACGGGGCCAGAGGTGCAAGAAGCAAGCCTCC * * * * * |
| hDAP10c | TCTGGGACCCGCCATCCCTGCGGTGTCCCCCTCCGCCACCTGGCTGCCAGCCCGGCCT |
| mDAP10c_coding | ACTGGTACCCACCCACCATACTGTCTCCCCCTCTGCCCATCTGGCCACCAGCCAGCCCT * * * * * |
| hDAP10c | CCTCCCCCTCCCTAGCCCCCTCGGGCACAAGAAGCACAAAGCAGCCCAAGGAGAGCCA |
| mDAP10c_coding | TCTCCCCACCTTGGCACCCCTGGGGCACAAGAAACACAAAGCATCGAGCCCAAGGAGAGCCA * * * * * |
| hDAP10c | GCAGGGCTGCCGGGCTGCAGGCACCACTGGCCTCAGGTGGCCCT---GTCCTGGGGCG |
| mDAP10c_coding | GGCGAGCTGCCGGGCTGCAGGGCCCCCTGGCTGCAGGAGCCTCCACCGTCATGGGGCG * * * * * |
| hDAP10c | GGAGCACCTGCGGGAGCTGCCCCCTTGGTGGTGTATGAGAGCCAGGCCGGCCAGCCGCT |
| mDAP10c_coding | GGAGCAGGTGAGGGAGCTGCCCTGCCGTGGTGGTGTACGAGAGCCAGGCTGGGCAGGCCGT * * * * * |
| hDAP10c | CCAGAGACATGAGCACCACCACCACCATGAACATCACCACCATTACCACCCTTCTACCA |
| mDAP10c_coding | CCAGAGACACGAACACCATCACCACCACGAACATCACCACCATTATCACCCTTCTATCA * * * * * |
| hDAP10c | GACATAGAGCCCCCTCCCCAGGGCCCCACCCCTGCCATATGAAGACCCCAACCCGACACC |
| mDAP10c_coding | GCCCTAG----- * * * * * |
| hDAP10c | ACAAGGCATTATTATTCTATTAAATTATTGTTATTATGATGATTATTGTTATTATAATTA |
| mDAP10c_coding | ----- |
| hDAP10c | TTGTTACTCCACTAATATTTAGCTAGCCTACATGTAGAAGATCTATGGAACACAGAACT |
| mDAP10c_coding | ----- |
| hDAP10c | AACTTTTATTATATGTTAAAAA |
| mDAP10c_coding | ----- |

FIGURE 2

Cypher Results for: ClustalW Multiple Alignment

v.dendrogram

```
>10FL.pep_    MGKLHSPAAVCKRRESPEGDSFAVSAAWARKGIEEWIGRQRCPGVSGPRQLRLAGTIG
>.pep_        MGKLHSPAAVCKRRESPEGDSFAVSAAWARKGIEEWIGRQRCPGSVSGPRQLRLAGTVG
*****

>10FL.pep_    RSTRELVGDLRDTLSEEEEDDFRLEVALPPEKTDGLGSGDEKKMERVSEPCPGSKKQLK
>.pep_        RGTRELVGDTSRALGEEDEDDFPLEVALPPEKIDSLGSGDEKKMERLSEPGQASKKQLK
*****

>10FL.pep_    FEELQCDVSMEEDSRQEWFTFLYDFDNNKVTREDITSLLHTIYEVVDSSVNHSPTSSKM
>.pep_        FEELQCDVSVEEDSRQEWFTFLYDFDNNKVTREDITSLLHTIYEVVDSSVNHSPTSSKT
*****

>10FL.pep_    LRVKLTVAPDGSQSKRSVLVNQADLQ SARPRAETKETEDLRSWEKKQRAPLRFQGDSRLE
>.pep_        LRVKLTVAPDGSQSKRSVLFNHTDLQSTRPRADTKPAEELRGWEKKQRAPLRFQGDHLE
*****

>10FL.pep_    QSGCYHHCVDENIERRNHYLDLAGIENYTSQFGPGSPSVAQKSELPPRTSNPTRSR SHEP
>.pep_        QPDCYHHCVDENIERRNHYLDLAGIENYTSQFGPGSPSVAQKSELPPRISNPTRSR SHEP
*****

>10FL.pep_    EAIHIPHRKPGQVDPASFHFLDTPIAKVSELQQLRGTDGSKHFVRS PKAQGKSVGVGH
>.pep_        EAAHIPHRRPGQVDPGSFHLLDTPFKASELQQLRGTDGSKHFVRS PKAQGKMMGMGH
*****

>10FL.pep_    VARGARNKPLGPAIPAVSPSAHLAAS PALLPSLAPLGHKKKHRAKESQQGCRGLQAPL
>.pep_        GARGARSKPLVPTTHTVSPSAHLATSPALLPTLAPLGHKKKHRAKESQASCRGLQGPL
*****

10FL.pep_    ASGG-PVLGREHLRELPAVVYESQAGQFVQRHEHHHHHHHHHHHHYH FYQT
>.pep_        AAGGSTVMGREQVRELPAVVYESQAGQAVQRHEHHHHHHHHHHHHYH FYQP
*****
```

FIGURE 3

GAATTCGCCCTTCTAATACGACTCACTATAGGGCAAGCAGTGGTAACAACGCAGAG
TACGCGGGGAGTCGGGGCCGCGGCACGGCGGCAGGAGCGCGTCCCGGCGCCGCCTC
GGGCTCCGCTCGGCTCGGGGGCTGCTTCGGGAGGAGGAGAGCCAAGGGAGGCGCCA
GGCCCGCGGGCCGGGCGCATGGCTTAGGGACGCTCCCGGCCGCGCAGCCCCAGCA
TGGGGAAACTTCACTCCAAGCCGGCCGCGGTGTGCAAGCGCAGGGAGAGCCCGGAA
GGTGACAGCTTCGCCGTGAGCGCTGCCTGGGCTCGGAAGGGCATCGAGGAGTGGAT
CGGGAGACAGCGCTGCCCCGGGCGGTGTCTCGGGACCCCGACAGCTGCGGTTGGCGG
GCACCATAGGCCGAAGCACCCGGGAGCTCGTGGGCGACGTGTTGAGAGACACGCTC
AGCGAGGAAGAGGAGGACGACTTTCGGCTGGAAGTGGCCCTGCCTCCTGAGAAGAC
TGACGGGCTGGGCAGCGGAGATGAGAAGAAGATGGAGAGAGTGAGCGAACCCTGC
CCAGGCTCCAAGAAGCAGCTGAAGTTTGAAGAGCTCCAGTGCGACGTGTCCATGGA
GGAGGACAGCCGGCAGGAGTGGACCTTCACCCTGTATGACTTTGACAACAACGGCA
AGGTCACCCGAGAGGACATCACCAGCTTGCTGCACACCATCTATGAGGTGGTGGAC
TCCTCTGTCAACCACTCCCCAACATCCAGCAAGATGCTGCGGGTAAAGCTCACCGTG
GCCCCCGATGGCAGCCAGAGCAAGAGGAGCGTCCTTGTCAATCAGGCTGACCTGCA
GAGCGCAAGGCCCCGAGCAGAGACCAAGCCCACTGAGGACCTGCGGAGCTGGGAG
AAGAAGCAGCGAGCCCCGCTCAGGTTCCAGGGTGACAGCCGCCTGGAGCAGTGTGG
CTGCTACCACCATTCGCTAGATGAGAACATCGAGAGGAGAAACCACTACTTAGATC
TCGCCGGGATAGAAAACACACGTCCCAATTTGGGCCTGGCTCCCCCTCCGTGGCCC
AGAAGTCAGAACTGCCCCCCCCGACCTCCAATCCCACTCGATCTCGCTCCCATGAGC
CGGAAGCCATCCACATCCACACCCGAAAGCCCCAAGGCGTGGACCCGGCCTCCTTC
CACTTCCTTGACACCCCAATCGCCAAGGTCTCAGAGCTCCAGCAACGGCTCCGGGGC
ACCCAGGACGGGAGCAAGCACTTTGTGAGGTCCCCCAAGGCCAGGGCAAGAGTGT
GGGTGTGGGCCACGTGGCCAGAGGGGCAAGAAACAAGCCCCCTCTGGGACCCGCCA
TCCCTGCGGTGTCCCCCTCCGCCCACCTGGCTGCCAGCCCGGCCCTCCTCCCCCTCCT
AGCCCCCTCGGGCACAAGAAGCACAAGCACCGAGCCAAGGAGAGCCAGCAGGGC
TGCCGGGGCCTGCAGGCACCACTGGCCTCAGGTGGCCCTGTCCTGGGGCGGGAGCA
CCTGCGGGAGCTGCCCGCCTTGGTGGTGTATGAGAGCCAGGCCGGGCAGCCGGTCC
AGAGACATGAGCACCAACCACCATGAACATCACCACCATTACCACCACTTCTACC
AGACATAGAGCCCCTCCCCAGGGCCCCACCCTGCCATATGAAGGACCCCAACCCCG
ACACCACAAGGCATTATTATTCTATTAATTATTGTTATTATGATGATTATTGTTATTA
ATAATTATTGTTACTCCACTAATATTTAGCTAGCCTACATGTAGAAGATCTATGGAA
ACACAGAACTAACTTTTATTTATATGTTAAAAAAAAAAAAAAAAAAAAAAAAAAGCGG
CCGC

TCCTCTGTCAACCACTCCCCAACATCCAGCAAGATGCTGCGGGTAAAGCTCACCGTG

| 1990-1991 | | 1991-1992 | | 1992-1993 | | 1993-1994 | | 1994-1995 | | 1995-1996 | | 1996-1997 | | 1997-1998 | | 1998-1999 | | 1999-2000 | | 2000-2001 | | 2001-2002 | | 2002-2003 | | 2003-2004 | | 2004-2005 | | 2005-2006 | | 2006-2007 | | 2007-2008 | | 2008-2009 | | 2009-2010 | | 2010-2011 | | 2011-2012 | | 2012-2013 | | 2013-2014 | | 2014-2015 | | 2015-2016 | | 2016-2017 | | 2017-2018 | | 2018-2019 | | 2019-2020 | | 2020-2021 | | 2021-2022 | | 2022-2023 | | 2023-2024 | | 2024-2025 | | 2025-2026 | | 2026-2027 | | 2027-2028 | | 2028-2029 | | 2029-2030 | | 2030-2031 | | 2031-2032 | | 2032-2033 | | 2033-2034 | | 2034-2035 | | 2035-2036 | | 2036-2037 | | 2037-2038 | | 2038-2039 | | 2039-2040 | | 2040-2041 | | 2041-2042 | | 2042-2043 | | 2043-2044 | | 2044-2045 | | 2045-2046 | | 2046-2047 | | 2047-2048 | | 2048-2049 | | 2049-2050 | | 2050-2051 | | 2051-2052 | | 2052-2053 | | 2053-2054 | | 2054-2055 | | 2055-2056 | | 2056-2057 | | 2057-2058 | | 2058-2059 | | 2059-2060 | | 2060-2061 | | 2061-2062 | | 2062-2063 | | 2063-2064 | | 2064-2065 | | 2065-2066 | | 2066-2067 | | 2067-2068 | | 2068-2069 | | 2069-2070 | | 2070-2071 | | 2071-2072 | | 2072-2073 | | 2073-2074 | | 2074-2075 | | 2075-2076 | | 2076-2077 | | 2077-2078 | | 2078-2079 | | 2079-2080 | | 2080-2081 | | 2081-2082 | | 2082-2083 | | 2083-2084 | | 2084-2085 | | 2085-2086 | | 2086-2087 | | 2087-2088 | | 2088-2089 | | 2089-2090 | | 2090-2091 | | 2091-2092 | | 2092-2093 | | 2093-2094 | | 2094-2095 | | 2095-2096 | | 2096-2097 | | 2097-2098 | | 2098-2099 | | 2099-2100 | | 2100-2101 | | 2101-2102 | | 2102-2103 | | 2103-2104 | | 2104-2105 | | 2105-2106 | | 2106-2107 | | 2107-2108 | | 2108-2109 | | 2109-2110 | | 2110-2111 | | 2111-2112 | | 2112-2113 | | 2113-2114 | | 2114-2115 | | 2115-2116 | | 2116-2117 | | 2117-2118 | | 2118-2119 | | 2119-2120 | | 2120-2121 | | 2121-2122 | | 2122-2123 | | 2123-2124 | | 2124-2125 | | 2125-2126 | | 2126-2127 | | 2127-2128 | | 2128-2129 | | 2129-2130 | | 2130-2131 | | 2131-2132 | | 2132-2133 | | 2133-2134 | | 2134-2135 | | 2135-2136 | | 2136-2137 | | 2137-2138 | | 2138-2139 | | 2139-2140 | | 2140-2141 | | 2141-2142 | | 2142-2143 | | 2143-2144 | | 2144-2145 | | 2145-2146 | | 2146-2147 | | 2147-2148 | | 2148-2149 | | 2149-2150 | | 2150-2151 | | 2151-2152 | | 2152-2153 | | 2153-2154 | | 2154-2155 | | 2155-2156 | | 2156-2157 | | 2157-2158 | | 2158-2159 | | 2159-2160 | | 2160-2161 | | 2161-2162 | | 2162-2163 | | 2163-2164 | | 2164-2165 | | 2165-2166 | | 2166-2167 | | 2167-2168 | | 2168-2169 | | 2169-2170 | | 2170-2171 | | 2171-2172 | | 2172-2173 | | 2173-2174 | | 2174-2175 | | 2175-2176 | | 2176-2177 | | 2177-2178 | | 2178-2179 | | 2179-2180 | | 2180-2181 | | 2181-2182 | | 2182-2183 | | 2183-2184 | | 2184-2185 | | 2185-2186 | | 2186-2187 | | 2187-2188 | | 2188-2189 | | 2189-2190 | | 2190-2191 | | 2191-2192 | | 2192-2193 | | 2193-2194 | | 2194-2195 | | 2195-2196 | | 2196-2197 | | 2197-2198 | | 2198-2199 | | 2199-2200 | | 2200-2201 | | 2201-2202 | | 2202-2203 | | 2203-2204 | | 2204-2205 | | 2205-2206 | | 2206-2207 | | 2207-2208 | | 2208-2209 | | 2209-2210 | | 2210-2211 | | 2211-2212 | | 2212-2213 | | 2213-2214 | | 2214-2215 | | 2215-2216 | | 2216-2217 | |
|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|
|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|-----------|--|

ATGGGGAAACTTCACTCGAAGCCGGCCGCGCTGTGCAAGCGCAGGGGAGAGC
CCGGAAGGTGACAGCTTTGCTGTAAGCGCTGCTTGGGCAAGGAAAGGCATCG
AGGAGTGGATCGGGAGGCAGCGCTGTCCAGGCAGCGTCTCAGGACCCCGTCA
GCTGAGATTGGCAGGCACTGTTGGTCGAGGCACTCGGGAACCTCGTGGGTGAC
ACTTCTAGAGAGGCTCTCGGTGAGGAGGACGAGGACGACTTCCCCCTAGAAG
TGGCCCTGCCGCTGAGAAGATCGACAGCCTAGGTAGTGAGATGAGAAGA
GAATGGAGAGACTGAGCGAACCTGGCCAGGCCTCCAAGAAGCAGCTCAAGT
TTGAAGAGCTACAGTGTGATGTCTCTGTGGAGGAGGACAGCCGGCAAGAGTG
GACTTTCCTCTATATGACTTCGACAACAATGGCAAAGTGACCCGTGAGGAC
ATTACCAGCTTGCTGCATACCATCTATGAAGTGGTTGACTCCTCTGTGAACCA
TTCCCCACATCAAGCAAGACACTGCGGGTGAAGCTCACCGTGGCTCCTGAC
GGGAGCCAGAGTAAGAGGAGCGTCTTTTCAACCATAACCGATCTGCAGAGCA
CAAGGCCCCGAGCAGACACCAAACCCGCTGAGGAGCTGCGTGGCTGGGAGA
AGAAGCAGCGAGCCCCACTCAGGTTCAGGGTGACAGCCACCTGGAGCAGCC
AGACTGCTACCACCATTGCGTGGATGAGAACATTGAGAGGAGAAACCACTAC
CTAGACCTGGCGGGGATAGAGAACTACACGTCTCAGTTTGGACCGGGATCCG-
CTTCGGTGGCCCAGAAGTCAGAGCTGCCCCCTCGAATCTCCAACCCCACTCG
CTCTCGCTCCACGAGCCAGAAGCTGCCACATCCACACCGGAGGCCCCAA
GGTGTGGACCCAGGCTCCTTCCACCTCCTTGACACCCCATTTGCCAAGGCATC
AGAGCTCCAGCAACGGCTCCGGGGCACTCAGGATGGGAGCAAGCACTTTGTG
AGGTCCCCCAAGGCCAGGGCAAGAACATGGGTATGGGCCACGGGGCCAGA
GGTGCAAGAAGCAAGCCTCCACTGGTACCCACCACCCATACTGTCTCCCCCT
CTGCCCATCTGGCCACCAGCCCAGCCCTTCTCCCCACCTGGCACCCCTGGGG
CACAAGAAACACAAGCATCGAGCCAAGGAGAGCCAGGCGAGCTGCCGGGGC
CTGCAGGGCCCCCTGGCTGCAGGAGGCTCCACCGTCATGGGGCGGGAGCAGG
TGAGGGAGCTGCCTGCCGTGGTGGTGTACGAGAGCCAGGCTGGGCAGGCCGT
CCAGAGACACGAACACCATCACCACCACCAACATCACCACCATTATCACCAC

FIGURE 5

MGKLHSPAAVCKRRESPEGDSFAVSAAWARKGIEEWIGRQRCPGGVSGPRQLRLAGT
IGRSTRELVGDVLRDTLSEEEEDDFRLEVALPPEKTDGLGSGDEKKMERVSEPCPGSKK
QLKFEELQCDVSMEEEDSRQEWFTLYDFDNNGKVTREDITSLLHTIYEVVDSSVNHSP
SKMLRVKLTVPDGSQSKRSVLVNQADLQSARPAETKPTEDLRSWEKKQRAPLRFQG
DSRLEQSGCYHHCVDENIERNHYLDLAGIENYTSQFGPGSPSVAQKSELPPTS
RSHPEAIHIPHRKPQGVDPASFHFLDTPIAKVSELOQRLRGTQDGSKHFVRSPKAQ
VGVGHVARGARNKPPLGPAIPAVSPSAHLAASPALLPSLAPLGHKHKKHRAKESQ
RGLQAPLASGGPVLGREHLRELPAVVYESQAGQPVRHEHHHHHEHHHHHYHHFYQT

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FIGURE 6
SEQ. ID. NO.: 8

MGKLHSPAAVCKRRESPEGDSFAVSAAWARKGIEEWIGRQRCPGSVSGPRQLR
LAGTVGRGTRELVGDTREALGEEDEDDFPLEVALPPEKIDSLGSGDEKRMERLS
EPGQASKKQLKFEELQCDVSVEEDSRQEWTFYDFDNGKVTREDITSLLHTIY
EVVDSSVNHSPSTSSKTLRVKLTVPAGDSQSKRSVLFNHTDLQSTRPRADTKPAEE
LRGWEKKQRAPLRFQGDHLEQPCDYHHCVDENIERRNHYLDLAGIENYTSQFG
PGSPSVAQKSELPPRISNPTRSRSEPEAAHIPHRPQGVDPGSFHLDDTPFAKASE
LQQLRGTQDGSKHFVRSPKAQGKNMGMGHGARGARSKPPLVPTTHTVSPSAH
LATSPALLPTLAPLGHKHKKHRAKESQASCRGLQGPLAAGGSTVMGREQVREL
AVVYESQAGQAVQRHEHHHHHEHHHHYHHFYQP

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FIGURE 7

PUTATIVE PROMOTER:

GAATTCATATGCACATTAAATTCCAGGGAGCCCTCCTCTAGGCTATTTGACCC
TAGCTCAAGAAAGGGGGATTAAGAGTCTTACAGGGAGGGATCCAAGGTCAG
CATATACAGTTAGTCAGGGACCAGTCTGTCTGTGTCTCTCTCCATGGGGTT
TACTATCATTGCTTTCCCCTAATGGTTCTTACTCCTGCTTCTTCCTGCTTATTTT
TCAGCCCACAGCGACCCCAAGAAGCTGCTCCAACCCCTGGGACTATGGAGCT
CTACAGCTGTAGAGACCACCAGGAAGTGGACTGCAGGCCCTGGCCTCTCCA
TTCAGATTCTGCAAAGAGATCCTGATGGGTGGGCCAATGGGTCAGGCATCC
AGTCAGCTCTGGCTAAGGGGTGAAGGAGTCAGGTGTTACCAACGTGGTGGCA
GGGGCCACCTTGAAGCTGTGTTCTGTGCCATGGAAGAAGGAAGAGGAGGAG
GAAGCTAAGCTGGAAGGGAAGGCAGGTGATACAGGAAAATTAACATGAGC
TTTGCTATAGTGACCACTTTTCCTTCACTCCTTGAGCTGTGGCCTTAAGAACTG
TGTACCAATGGGAGGCACTTGCATAGTAAGTGTTCATTTGCTGAATACTTACA
GAGGGCTATAAGTGGACAAATATGTCCAAAAACACATGAAACACACACCATC
AACACTTGCAGATGGTCTCCTTCAGGGAACCTTTCCACACTGGCTCTCCCCTC
ACTGAGCTTTTCCTTCTATCACCTCCCAGTCTAGGCTCCTGGAGTCAGTAGT
TGGAATCTCAGATGGGAAGAAACCTTAAAAGTCATCTGGTCCAGTATTTTCC
AAAGCATGTTCCATGAACCTGTTTTCCAGAAATGGTTTCCTGGTCTGGTGAGT
TTAAGAAACCCTGCTTATGACGATGCTCTCCATTTAGAGAATCACAAAGCTTG
GCTACTCAATGAAAGCTCTGACAAGTCTGCAGGAAAAAACTTGTCTTCTTTT
GGCTAAGCTAGGGCTGCCCAAAGTTTCTCATGGAGTCCTTCTTGACATAAT
AATAGCATCTCACAAACCAGTGGTTCGGGGGAACCCATTACGGGAAATGCTAA
TCTTCTGGACCCTTCTTCTATTTTATAGGTGGAGAGGCTGTGTGGTGGTCTG
GTTGGCTGCATGTAACGAAAAACAAAGGCTTAAAAAGATAGGGGCTTCTTT
TGCTCTTTTGTAAACAAAGTCTGGGAATAGTCAAAGACTGGTACTGTGACTAG
AAAGGCTTCTGATATGGTTTGGCTCTGTGTTCCACCCAAATCTCACCTTGAG
TTGTAATGATCCCCATATGTCAAGGGCAGGATCAGGTGGAGGTAATTGAATC
ATGAGGGCAGTTAATCCCATGCTGTTCTTGTGATAGTGAGTTCTCACAGGATC
TGATGGTTTTATAAGGGGCTTTTCCCCTTTGCTCGGCACCTCTCTCTCCTGCTG
CTATGTGAAGAGGGACGTGTTTGCTTCTCCTTCTGTCTATGATTGTAAGTTTCT
GAGGCCTCCCCAGCCATGTAGAACTGTGAGTCAATTAAACCTCTTTCCTTTAT
AAATTGCCCAGTTCCGGTATGTTCTTGTAGCAGCCTGAGAACGGACTAATATA
GCTTCTCTGCCAGTGTGAAGAAGAGCAGAGAGGCAGGGCTGGGAGGAGAA
CAAGGCACCTGCCAAGGAGATGGGGAGGCTGGGCTGGCTTTCCCTCTCCTCC
AGGCTCACCTGGGAAGCCTGTGCTCTAAACTTGCTCAAACATCCTGAACCCA
GGAGGAGTTGGTGGTACACAAATTCAATTCAATTCAACCCACATCCAGACT
GTAATCAAGCAGCAGTCTTTTGGCCAGTCATCTCCAACCTCATCTTCTCCCC
TCTACTCCCAAACCATGCTCTCTCTGCTCCAGAGCCAGGGGCCTCTTTGCTGT
TTCCAAAACATCCATGGCAGTCTCCACTTCAGGGCCTTTACATGTGCTGTTCC
CTCTGCCTTTAGTACCCAAACAGAATGGCTTGGAGACCCCAAGCCCTAGTTCTT
GGGAAGCCCAGCCTCCTCATCTCATATCTAAGGCCTGAGGCCTCCTGGCT
GCCTCTGGCTCCCATCTTTTCTCCTGCAGGGTATCTCCACTGTGAAGATTGCT
GTTGGCCCCATTAATTACCTGTAGGAGTCATCTTCTGATTCTTAATTTTGTC

CCTGCTTATAACATTAGCCTTCGTTTCCACCAAAAAGGGTGTTAAAAAAGGA
AGCTTGGAACATGAAAGTAAGACACTTGATGAAGAGATTTATGACTCTGGG
GGGCTGTGAATTCCTAATGTCCTTTTGAGACATGTAGATCTTCCAGAGCGATG
CTGCCCAATGCAGTAGCCACTAGCCAAGTGCAAATGGTCACTTGCAATATGG
CTAGTCTTTGAGATGTGTTTTAAGTGTAATAACACACTGAATTTTAAAGACT
TAGCGCAATACAAAGAATGTAAAATATCTCATTATATCTTGAAATTATACTAT
TTTGGATATATGGTGTTCCCTTGGTGCTTTGGGGACTGGTTCAGGATCCTA
GAGGATACCCAAATCCCCAGATGTCAAGTCCGCTATATAAAATGTCCTGTAG
TATTTGCATATAACCTACACACATCCTTCTGAATACTTTAAATCATCTCTAGA
TTCCTTGTAATTCCTAATAACAATGTAAATGTTATGTAAATAGTTGTTATACTAT
ATTAAAAAGTTTTTTATTCTTTATTTTTGCTGTATTATTCTTTTTGCATATTTTC
AGTCCACAGATGGTTGATGCCACAGATGTGGAACCTGTGAATAAGGAGGGCT
GACTGTATTGAGTTAAGCGAAATATATTATTAATATTTTCATCTATTTCTTTTA
CTTCTAAAAGATGTGGCGACAAGAAAATTTAAAATTACAAATGTGGCCCCACA
TTATATTTCTATTGGGCAGTGCTGCTCTAGAGAGTCGGCAAAAAGGGCAGAA
TGGAGCCTCCATTATACAGATCACAAAAGTGAACACAGGTAATTCCTCCAA
AGGTCGGGGCTGGTCTCACTCTGAGCTGCGGGTTTTCTTTTCCACGCCAGAG
CTGCCTGGTGCCAGGACGAGCGTAACACGGACCCACAGTGTCCCCAGAAGGG
GGCAGGCGTTCTGAGAGCCACAAAGGTGGGGTGGAATCCCTTGATGTGACG
GCCACCATCCCCCTCCCCCGCGCGACCTCCCCGCAGAGACCTCCCCAGAC
AAACAAACAAACCCTTGGGTCTGGCGAACTGCAGCGGGGAGCGGAAACCAA
GGAAGATCAAAGACTCAGCGGTTACCCCTTCCGGGCGCGCAGTTTGCGAG
CGCGCCCCGACCCGGGCGGGCACCCACGGGCCCGGACGAGGAGATCCCA
GAGACTGGCTGATAACGGGGCGCTTTGGACATTTGTCGCTGCCTGGAGAGGG
CTGGGCTCACACTGGCCCGGGGTGCGCTGGGGGCTCCTCCTGGACTCCCCAA
ATAAGAACTAGAGGAGTGCGGTGGTGGGGGGCGGGTCACGGGGCGGGTAA
TGAACACTTTCTGCAGAAGGTAGGTCTGTTGGAAGACTGGGAAAAGGCAGCG
CTGCCGAAGCTTGACCTGAGCAGCTAAGGTCTCCGCTCCCGACCTCAGTTTC
CCCACCTGTAAATTGGAGCCGCCGAGTCCCGCCCTGCCCGTTTAGAGAGAAC
GTGGAGCGGAGGGAAGTGACAGTACAGTTAGCGATGGCCGGGCTGTTCTGTC
CCAATACGCCTCCTGGACAAGCCGCCCCGCCGGGTGCGCAGCCCTGGAGCTC
GGCCCCCGGCCCCAGACCGCGGCAGGGAGCGCGGACTGTGTCCCGCCCTCC
CGTCAGCGCCCCGCCCTCGTCCCCGCCCATGCCCGCCTCCGGCCCCGCCCC
GCCGCAACCAGCCTTGCTTTGATGCGCCGCACCGGCCAATGGGCGCGCGGG
GAGGCGCGGGCCGCGCGCGGGCTGGGGGCTCGGCGCTCCCGGGCGTC

EXON 1: 5'UTR

AGTCGGGCGCGGCGACGGCGGCAGGAGCGCGTCCCGGCGCCGCTCGGGC
TCCGCTCGGCTCGGGGGCTGCTTCGGGAGGAGGAGAGCCAAGGGAGGCGCC
AGGCCCCGCGGGCCGGGCG

EXON 2: 5'UTR

CATGGCTTAGGGACGCTCCCGGCCGCGCAGCCCCAGC

EXON 2: CODING

ATGGGGAAACTTCACTCCAAGCCG

EXON 3: CODING

GCCGCCGTGTGCAAGCGCAGGGAGAGCCCGGAAG

EXON 4: CODING

GTGACAGCTTCGCCGTGAGCGCTGCCTGGGCTCGGAAGGGCATCGAGGAGTG
GATCGGGAGACAGCGCTGCCCCGGGCGGTGTCTCGGGACCCCGACAGCTGCGG
TTGGCGGGCACCATAGGCCGAAGCACCCGG

EXON 5: CODING

GAGCTCGTGGGCGACGTGTTGAGAGACACGCTCAGCGAGGAAGAGGAGGAC
GACTTTCGGCTGGAAG

EXON 6: CODING

TGGCCCTGCCTCCTGAGAAGACTGACGGGCTGGGCAGCGGAGATGAGAAGA
AGATGGAGAGAGTGAGCGAACCCCTGCCAGGCTCCAAGAAGCAGCTGAAGT
TTGAA

EXON 7: CODING

GAGCTCCAGTGCGACGTGTCCATGGAGGAGGACAGCCGGCAGGAGTGGACC
TTCACCCTGTATGACTTTGACAACAACGGCAAGGTCACCCGAGAG

EXON 8: CODING

GACATCACCAGCTTGCTGCACACCATCTATGAGGTGGTGGACTCCTCTGTCAA
CCTCCTCCCAACATCCAGCAAGATGCTGCGGGTAAAGCTCACCGTGGCCCCC
GATGGCAGCCAGAGCAAGAGGAGCGTCCTTGTCAATCAGGCTG

EXON 9: CODING

ACCTGCAGAGCGCAAGGCCCGAGCAGAGACCAAGCCCACTGAGGACCTGC
GGAGCTGGGAGAAGAAGCAGCGAGCCCCGCTCAG

EXON 10: CODING

GTTCCAGGGTGACAGCCGCCTGGAGCAGTCTGGCTGCTACCACCATTGCGTA
GATGAGAACATCGAGAGGAGAAACCACTACTTAGATCTCGCCGGGATAGAA
AACTACACGTCCCAATTTGGGCCTG

09993966-112701

EXON 11: CODING

GCTCCCCTTCCGTGGCCCAGAAGTCAGAACTGCCCCCCCCGCACCTCCAATCCC
ACTCGATCTCGCTCCCATGAGCCGGAAGCCATCCACATCCCACACCGAAAGC
CCCAAGGCGTGGACCCGGCCTCCTTCCACTTCCTTGACACCCCAATCGCCAAG
GTCTCAGAGCTCCAGCAACGGCTCCGGGGCAGCCAGGACGGGAGCAAGCAC
TTTGTGAGGTCCCCCAAGGCCAGGGCAAGAGTGTGGGTGTGGGCCACGTGG
CCAGAGGGGCAAGAAACAAGCCCCCTCTGGGACCCGCCATCCCTGCGGTGTC
CCCCTCCGCCCACCTGGCTGCCAGCCCGGCCCTCCTCCCCTCCCTAGCCCCC
TCGGGCACAAGAAGCACAAGCACCAGCCAAGGAGAGCCAGCAGGGCTGCC
GGGGCCTGCAGGCACCACTGGCCTCAGGTGGCCCTGTCCTGGGGCGGGAGCA
CCTGCGGGAGCTGCCCCGCTTGGTGGTGTATGAGAGCCAGGCCGGGCAGCCG
GTCCAGAGACATGAGCACCACCACCACCATGAACATCACCACCATTACCACC
ACTTCTACCAGACATAG

EXON 11: 3'UTR

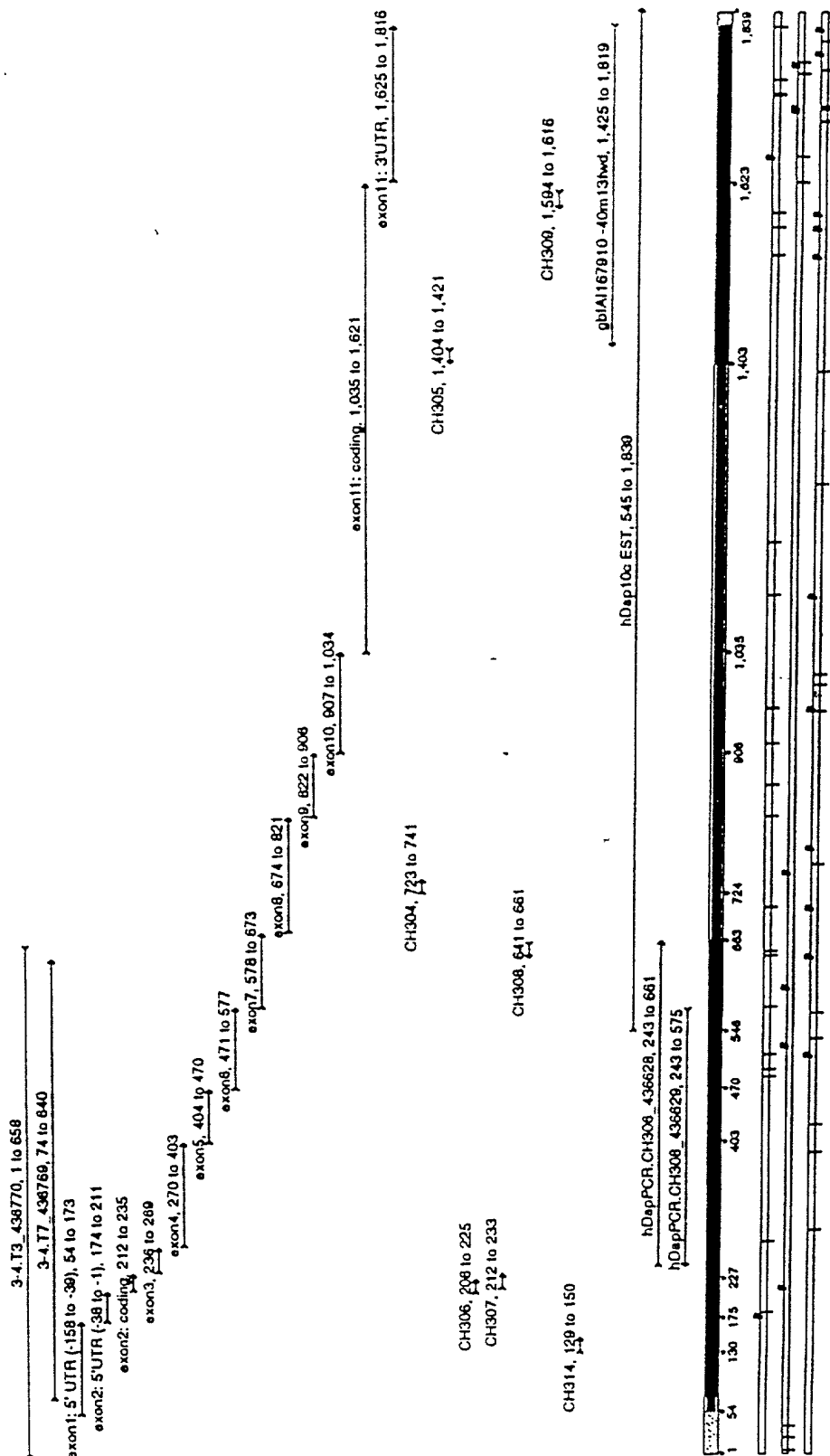
AGCCCCTCCCCAGGGCCCCACCCCTGCCATATGAAGGACCCACCCCGACAC
CACAAGGCATTATTATTCTATTAATTATTGTTATTATGATGATTATTGTTATTA
ATAATTATTGTTACTCCACTAATATTTAGCTAGCCTACATGTAGAAGATCTAT
GGAAACACAGAACTAACTTTTATTTATATGTTAAAAAAAAAAAAAAAAAAAA
AAAA

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FIGURE 8

Sequencher (km) -000712 hDap10c 5' RACE product with genomic.SPF

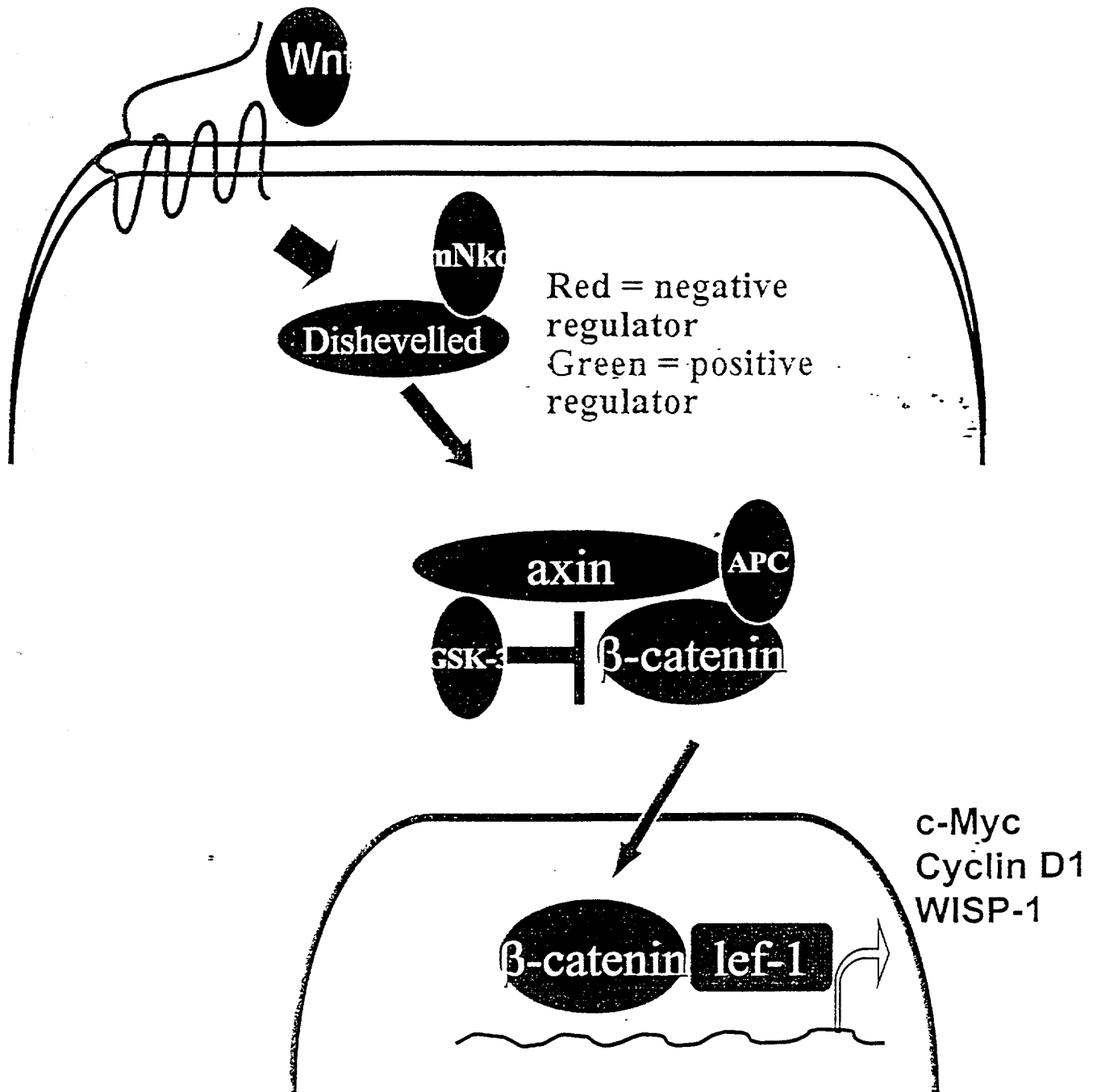
Contig(0043)



| Hole in contig | Diagram Key |
|-----------------------------------|--------------------|
| Single fragment | Bumps on fragments |
| Multiple fragments same direction | show motifs, |
| Both strands | hollow |
| Both strands plus | rectangles |
| Start codon frame 1 | show features |
| Stop codon frame 2 | |

FIGURE 9

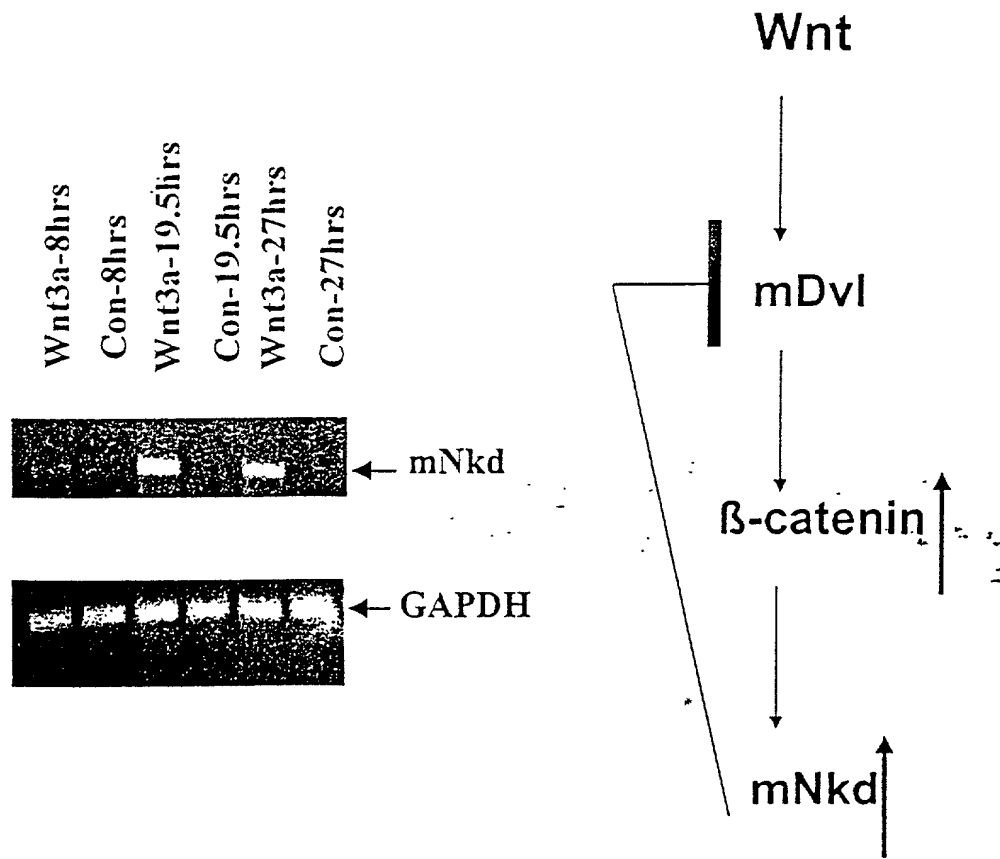
Wnt/ β -catenin Pathway Induces Genes Which Promote Cell Proliferation



09993966-112701

FIGURE 10

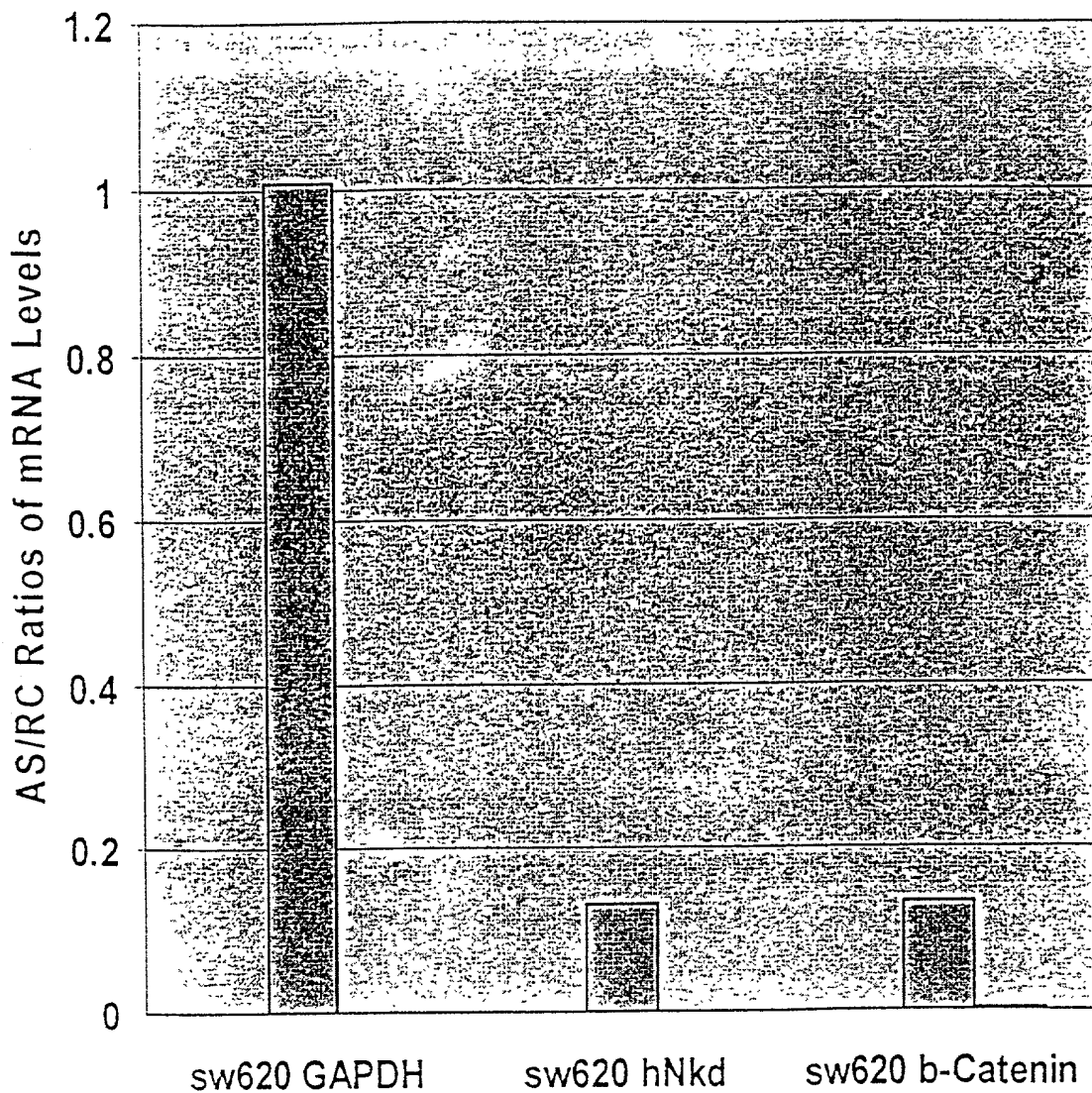
mNkd mRNA Is Induced by Wnt Ligand



mNkd may be a part of the negative feed back loop of the Wnt/ β -catenin pathway

FIGURE 11

Ratios of hNkd and β -Catenin mRNA Levels in SW620 Cells Treated with β -Catenin AS/RC Oligos



Using hNkd Promoter---Reporter Expression Construct to Screen for Small Molecule Inhibitors that Down Regulate the Expression of the Reporter

Our Strategy:



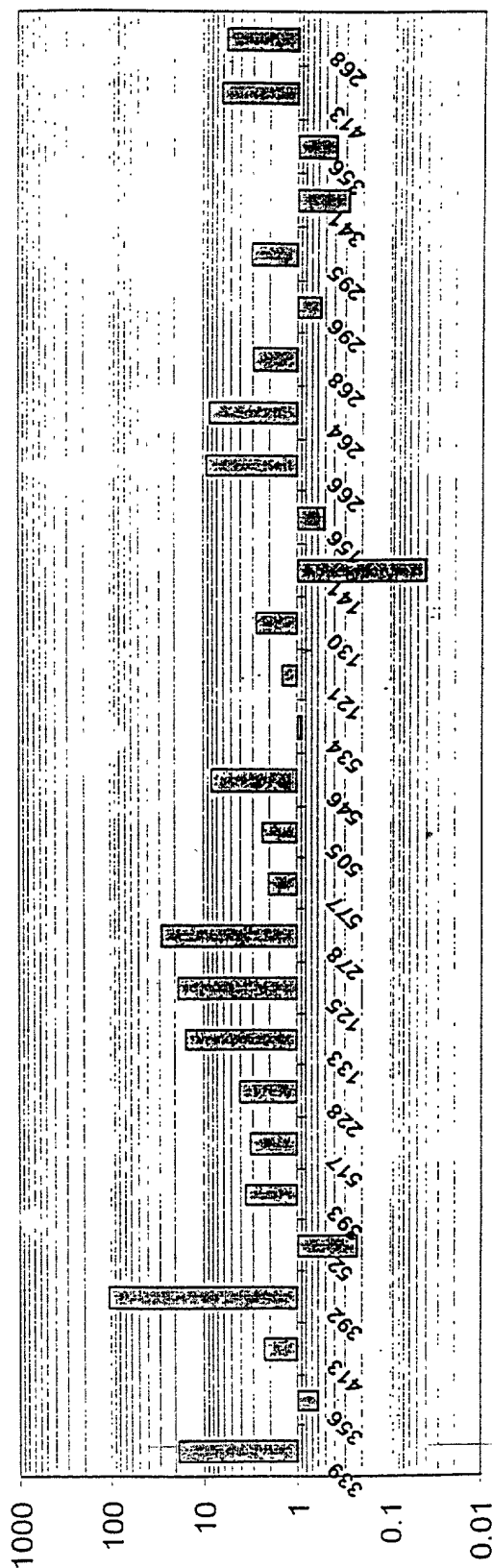
1.5 Kb

TBE: TCF binding Element (CTTTGA/TAT)

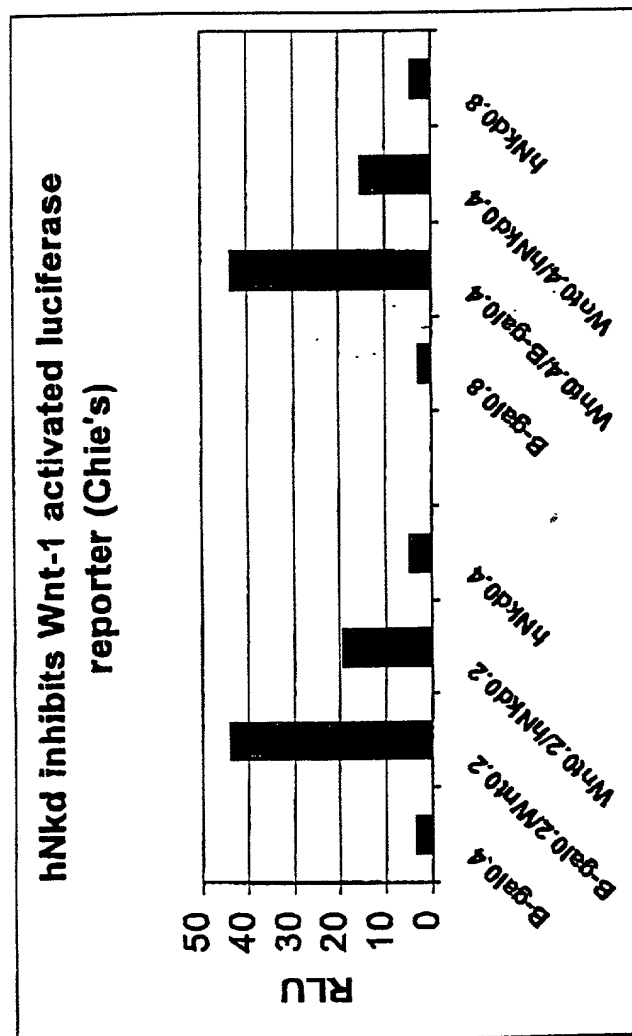
0993966-112701
T022T* 99666660

FIGURE 13

Ratios of hNkd mRNA Levels in Cancer/Normal Colon Tissues



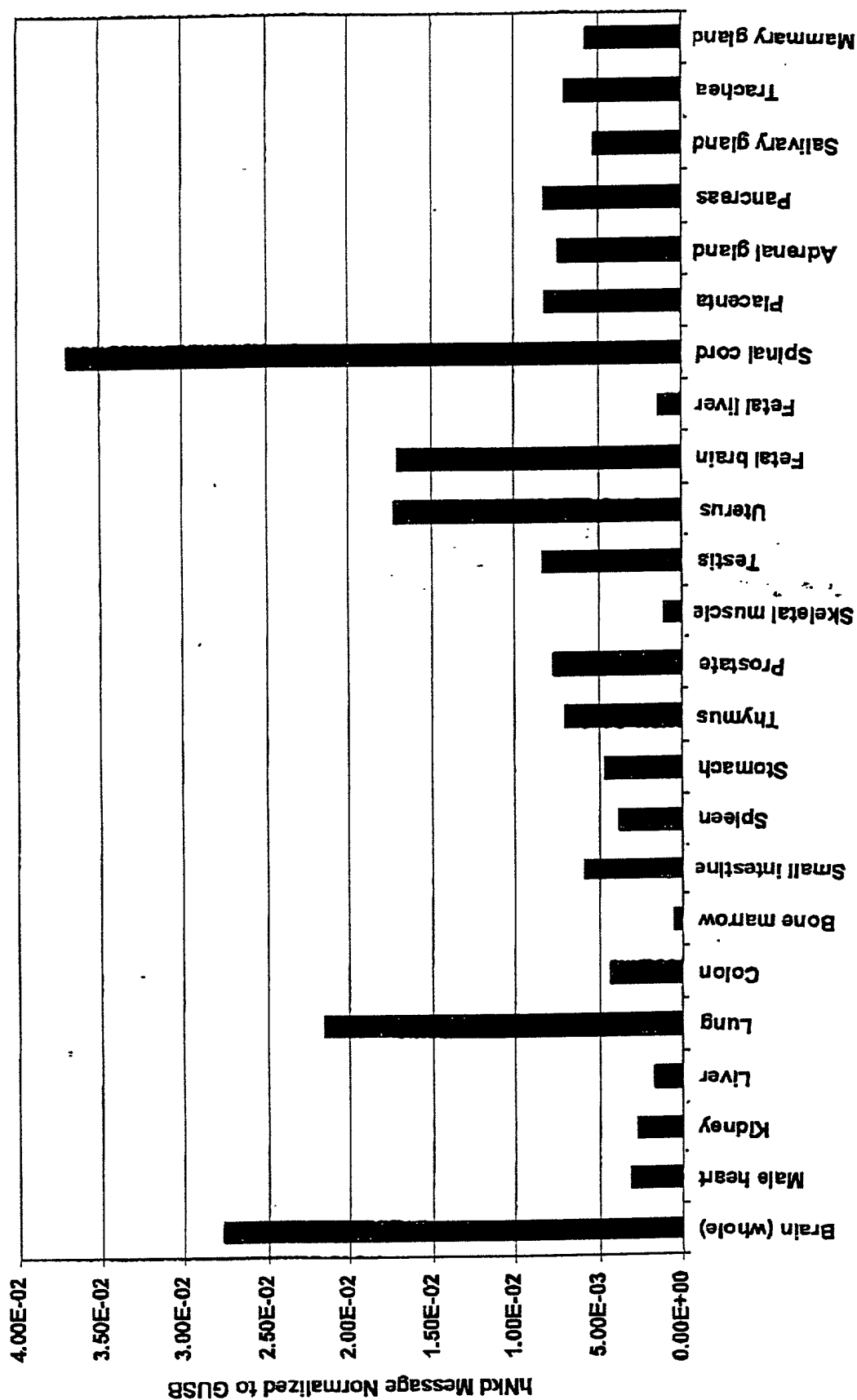
Page 14

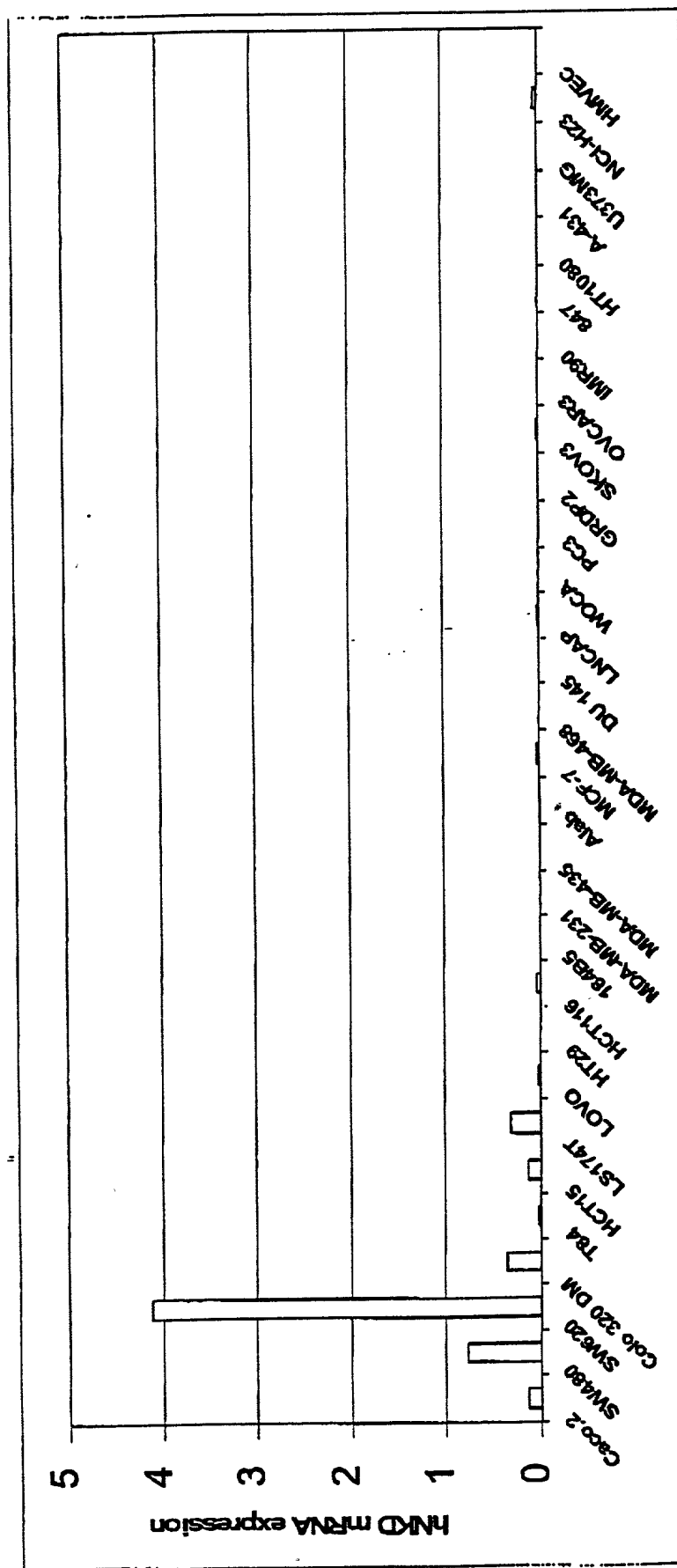


FOZETT-9966660

| Variable | Mean | SD | Min | Max |
|--------------------------|------|------|-----|-----|
| Age | 38.5 | 12.5 | 18 | 65 |
| Gender | 0.5 | 0.5 | 0 | 1 |
| Marital status | 0.5 | 0.5 | 0 | 1 |
| Education | 12.5 | 2.5 | 9 | 16 |
| Income | 15.5 | 5.5 | 10 | 25 |
| Health status | 0.5 | 0.5 | 0 | 1 |
| Smoking status | 0.5 | 0.5 | 0 | 1 |
| Alcohol consumption | 0.5 | 0.5 | 0 | 1 |
| Exercise frequency | 0.5 | 0.5 | 0 | 1 |
| Stress level | 0.5 | 0.5 | 0 | 1 |
| Sleep quality | 0.5 | 0.5 | 0 | 1 |
| Work satisfaction | 0.5 | 0.5 | 0 | 1 |
| Life satisfaction | 0.5 | 0.5 | 0 | 1 |
| Overall health | 0.5 | 0.5 | 0 | 1 |
| Physical activity | 0.5 | 0.5 | 0 | 1 |
| Mental health | 0.5 | 0.5 | 0 | 1 |
| Social support | 0.5 | 0.5 | 0 | 1 |
| Work-life balance | 0.5 | 0.5 | 0 | 1 |
| Financial stability | 0.5 | 0.5 | 0 | 1 |
| Family harmony | 0.5 | 0.5 | 0 | 1 |
| Personal growth | 0.5 | 0.5 | 0 | 1 |
| Community involvement | 0.5 | 0.5 | 0 | 1 |
| Environmental awareness | 0.5 | 0.5 | 0 | 1 |
| Cultural appreciation | 0.5 | 0.5 | 0 | 1 |
| Artistic expression | 0.5 | 0.5 | 0 | 1 |
| Volunteer work | 0.5 | 0.5 | 0 | 1 |
| Travel frequency | 0.5 | 0.5 | 0 | 1 |
| Language skills | 0.5 | 0.5 | 0 | 1 |
| Professional development | 0.5 | 0.5 | 0 | 1 |
| Networking | 0.5 | 0.5 | 0 | 1 |
| Time management | 0.5 | 0.5 | 0 | 1 |
| Decision making | 0.5 | 0.5 | 0 | 1 |
| Problem solving | 0.5 | 0.5 | 0 | 1 |
| Emotional regulation | 0.5 | 0.5 | 0 | 1 |
| Self-awareness | 0.5 | 0.5 | 0 | 1 |
| Empathy | 0.5 | 0.5 | 0 | 1 |
| Resilience | 0.5 | 0.5 | 0 | 1 |
| Optimism | 0.5 | 0.5 | 0 | 1 |
| Gratitude | 0.5 | 0.5 | 0 | 1 |
| Forgiveness | 0.5 | 0.5 | 0 | 1 |
| Patience | 0.5 | 0.5 | 0 | 1 |
| Kindness | 0.5 | 0.5 | 0 | 1 |
| Humility | 0.5 | 0.5 | 0 | 1 |
| Confidence | 0.5 | 0.5 | 0 | 1 |
| Perseverance | 0.5 | 0.5 | 0 | 1 |
| Discipline | 0.5 | 0.5 | 0 | 1 |
| Focus | 0.5 | 0.5 | 0 | 1 |
| Organization | 0.5 | 0.5 | 0 | 1 |
| Productivity | 0.5 | 0.5 | 0 | 1 |
| Time efficiency | 0.5 | 0.5 | 0 | 1 |
| Task completion | 0.5 | 0.5 | 0 | 1 |
| Goal setting | 0.5 | 0.5 | 0 | 1 |
| Planning | 0.5 | 0.5 | 0 | 1 |
| Execution | 0.5 | 0.5 | 0 | 1 |
| Evaluation | 0.5 | 0.5 | 0 | 1 |
| Reflection | 0.5 | 0.5 | 0 | 1 |
| Learning | 0.5 | 0.5 | 0 | 1 |
| Growth | 0.5 | 0.5 | 0 | 1 |
| Change | 0.5 | 0.5 | 0 | 1 |
| Adaptability | 0.5 | 0.5 | 0 | 1 |
| Flexibility | 0.5 | 0.5 | 0 | 1 |
| Openness | 0.5 | 0.5 | 0 | 1 |
| Curiosity | 0.5 | 0.5 | 0 | 1 |
| Exploration | 0.5 | 0.5 | 0 | 1 |
| Discovery | 0.5 | 0.5 | 0 | 1 |
| Innovation | 0.5 | 0.5 | 0 | 1 |
| Creativity | 0.5 | 0.5 | 0 | 1 |
| Imagination | 0.5 | 0.5 | 0 | 1 |
| Artistic talent | 0.5 | 0.5 | 0 | 1 |
| Writing skills | 0.5 | 0.5 | 0 | 1 |
| Public speaking | 0.5 | 0.5 | 0 | 1 |
| Leadership | 0.5 | 0.5 | 0 | 1 |
| Teamwork | 0.5 | 0.5 | 0 | 1 |
| Communication | 0.5 | 0.5 | 0 | 1 |
| Interpersonal skills | 0.5 | 0.5 | 0 | 1 |
| Conflict resolution | 0.5 | 0.5 | 0 | 1 |
| Mediation | 0.5 | 0.5 | 0 | 1 |
| Negotiation | 0.5 | 0.5 | 0 | 1 |
| Compromise | 0.5 | 0.5 | 0 | 1 |
| Cooperation | 0.5 | 0.5 | 0 | 1 |
| Collaboration | 0.5 | 0.5 | 0 | 1 |
| Partnership | 0.5 | 0.5 | 0 | 1 |
| Relationship building | 0.5 | 0.5 | 0 | 1 |
| Networking skills | 0.5 | 0.5 | 0 | 1 |
| Professional connections | 0.5 | 0.5 | 0 | 1 |
| Industry knowledge | 0.5 | 0.5 | 0 | |

Expression of hNkd in Normal Tissues





Colon cancer cell lines

Other cancer cell lines